

Cementation Solutions

RelyX™ U200

Self-Adhesive Resin Cement



The strong bond
you can rely on

3M ESPE

RelyX™ U200 – Strength we put trust in

Increased product performance, easier mixing:

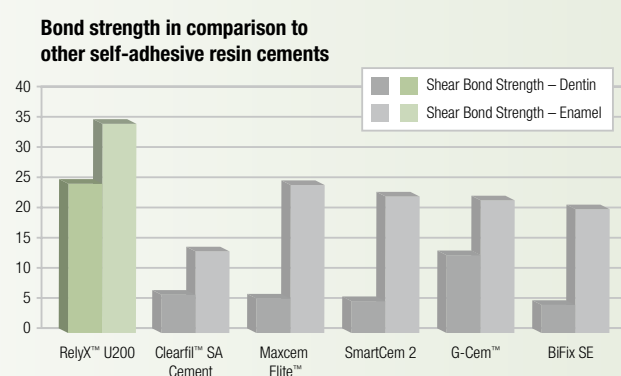
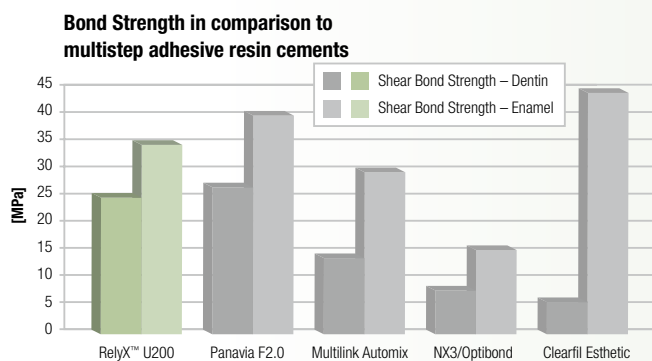
RelyX™ U200 Self-adhesive Resin Cement in the Clicker™ dispenser!

RelyX U200 is the newest generation of the world's most clinically proven self-adhesive resin cement. Enjoy enhanced product performance: excellent bond strength to dentin, enamel and restorations plus long term stability and high color retention.

Moreover, RelyX U200 offers improved mixing through new technology. Added to this is an incredible ease of use: as a one-step solution, RelyX U200 spares any pre-treatment steps like etching, priming and bonding. In a nut-shell, it provides all you can wish for.

Excellent bond strength.

You can rely on the performance of RelyX U200 cement more than ever: compared to other self-adhesive resin cements, RelyX U200 shows the best adhesion – on both dentin and enamel. Next to traditional multi-step adhesive resin cements, RelyX U200's bond strength is comparable – and not requiring a bonding system. Patients will benefit from a long-lasting and secure restoration.



Shear bond strength (Ic) of RelyX™ U200 to tooth in comparison to multistep adhesive resin cements and self-adhesive resin cements. Adhesive resin cements were used with their recommended bonding system.

Source: 3M ESPE internal data

	before	after
RelyX™ U200		
Clearfil™		
G-Luting™		

Test specimen after 3 days immersed in coffee at 36°C.

Source: 3M ESPE internal data (tested color shades: A2 or yellow)

High color stability for natural esthetics.

Patients will enjoy the high color stability of RelyX U200. Compared to other leading products, it clearly shows the least amount of discoloration after 3 days in a coffee solution.

RelyX™ U200 – the simple work

RelyX U200 – cementation can be so easy.

Very easy mixing and handling due to optimized rheology plus reliable 1:1 dosing

Easy-to-use Clicker™ delivery system

- Flexible dosing
- Very cost effective due to no need of additional devices or mixing tips
- Time saving due to simultaneous dosing
- Very little material waste

Self-adhesive

- Excellent results without any tooth pre-treatment
- Saves time compared to multistep resin cements



Results of stress test on self-adhesive resin cements. All samples were self-cured and thermocycled 10,000 times.

Source: 3M ESPE internal data

**Proven long-term stability –
due to unique material characteristics.**

RelyX™ U200 Cement is acidic and hydrophilic upon application and becomes neutral and hydrophobic after setting. Therefore, it is better able to resist water uptake and remains more stable over time. The results of thermocycling stress tests on self-adhesive resin cements show that RelyX U200 remains intact, while others show obvious cracking.

Indications:

RelyX U200 cement is indicated for the permanent cementation of

- All-ceramic, composite, or metal inlays, onlays, crowns and bridges
- Posts and screws
- 2- or 3-unit Maryland bridges
- 3-unit inlay/onlay bridges
- All-ceramic, composite, or metal restorations to implant abutments














Additional features at a glance:

- Moisture-tolerant
- Dual-cure
- Very easy removal of excess
- Low post-operative sensitivity
- Excellent mechanical properties

Step by step to a perfect cementation

Comparison of cementing steps for a cementation of high strength all-ceramic restoration

Cementing Steps	Typical total-etch resin cement system	Cementation with RelyX™ U200
1. Initial situation: Provisional restoration removed and prepared tooth cleaned.		
2. Apply rubber dam. Optional for RelyX™ U200.		
3. Etch with a phosphoric acid etching gel.		not needed
4. Thoroughly rinse with water.		not needed
5. Dry with gentle air stream.		not needed
6. Apply primer with a disposable applicator and rub in thoroughly.		not needed
7. Dry with gentle air stream.		not needed
8. Apply adhesive with a disposable applicator and rub in thoroughly.		not needed
9. Lightly thin or air dry adhesive evenly with an air stream.		not needed






Cementing Steps	Typical total-etch resin cement system	Cementation with RelyX™ U200
10. Light cure adhesive if indicated.		not needed
11. Sandblast inner surface of the crown, clean and dry it.		
12. Condition inner surface with zirconia primer.		not needed
13. Dispense cement onto mixing pad.		
14. Dispense second component onto mixing pad.		not needed
15. Mix cement.		
16. Apply cement to the prepared restoration or the prepared tooth.		
17. Place the restoration, light cure or self cure (tack cure if preferred), remove excess.		
18. Final situation: Adhesively cemented ceramic crown.		



Simplicity
powered by
performance

Cementation of two all ceramic Lava™ zirconia crowns in the upper posterior region

The patient came to the office with need for four restorations in the upper right quadrant. On the premolars two inlays /composite restorations needed to be replaced. The first molar was covered by an insufficient PFM crown and the second molar was endodontically treated and filled temporarily. In the first treatment step, the two molars were restored with all ceramic Lava™ zirconia crowns.

<p>1. Initial situation after removal of temporary restoration. On the first molar an insufficient crown had to be restored. The second molar is endodontically treated. A partial core build up was done with Filtek™ Z250. Treatment plan: Filling on premolars will be replaced afterwards.</p>	
<p>2. Cleaning of abutment teeth using pumice slurry and a brush to remove temporary cements residues.</p>	
<p>3. Before cementation, the crowns were sand-blasted – no other pre-treatment steps are required when using RelyX U200.</p>	
<p>4. With the Clicker you dose catalyst and base paste in one step at the same time.</p>	
<p>5. Due to the similar rheology of the pastes, the pastes can be easily mixed together.</p>	
<p>6. Applying RelyX U200 into pretreated crown.</p>	
<p>7. After approx 1 min in the mouth when self-curing, or after a brief 1–2 sec. light exposure the cement will be in a wax-like state ...</p>	
<p>8. ... and excess cement can be easily removed.</p>	
<p>9. For all ceramic restorations we recommend a final light curing from all directions (20 sec. per surface).</p>	
<p>10. Final situation occlusal view. Fillings on premolars will be replaced in a further step.</p>	
<p>11. Final situation buccal view. Fillings on premolars will be replaced in a further step.</p>	

Ordering Information



RelyX™ U200 Refill – Shade A2 Universal (56878)

Item No. Product Information

Refills

56877	Shade Translucent: 1 clicker™ dispenser 11 g, 1 mixing pad
56878	Shade A2 Universal: 1 clicker™ dispenser 11 g, 1 mixing pad
56879	Shade A3 Opaque: 1 clicker™ dispenser 11 g, 1 mixing pad

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